

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

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IDS 17

PUBLICATION NUMBER : 06180859
PUBLICATION DATE : 28-06-94

APPLICATION DATE : 11-12-92
APPLICATION NUMBER : 04331604

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INT.CL. : G11B 7/24 C08F220/28 C08F220/36 C09D 4/00 // C08F299/02

TITLE : COATING MATERIAL FOR OPTICAL DISK AND OPTICAL DISK EXCELLENT IN
SCRATCHING RESISTANCE AND ANTISTATIC PROPERTY

*ABSTRACT : PURPOSE: To provide an antistatic UV-curing coating material for optical disks excellent in hardening property, transparency, scratching resistance, antistatic property, durability, and stability.

CONSTITUTION: This coating material for optical disks consists of the following components (A)-(F). (A) Copolymers consisting of unsatd. compd. having quaternary ammonium salt groups and compd. expressed by general formula $\text{CH}_2=\text{C}(\text{R}^5)\text{COO}(\text{AO})_m\text{R}^6$ (R^5 is H or CH_3 , R^6 is H or a 1-18C hydrocarbon group, m is an integer 0 to 500, A is a 2-4C alkylene group). (B) (Meth)acrylate having three or more functional groups. (C) (Meth)acrylate having two functional groups. (D) Unifunctional (meth)acrylate. (E) (Meth)acrylate having hydroxyl groups. (F) Photopolymer. initiator.

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